

212

INTERNATIONAL GEOLOGY REVIEW

Volume 8, 1966

PERIODICAL

UNIVERSITY OF HAWAII
LIBRARY



published by

AMERICAN GEOLOGICAL INSTITUTE
1444 N St. , N.W. , Washington, D.C. 20005

AMERICAN GEOLOGICAL INSTITUTE

A private nonprofit professional service organization governed by a Board of Directors and a House of Society Representatives —

Linn Hoover, Executive Director

Foster D. Smith, Jr., Director of

Science Information

John Lemish, Chairman,

AGI Advisory Committee on Translations

INTERNATIONAL GEOLOGY REVIEW

Published monthly with the continuing supplemental support of the National Science Foundation, the International Geology Review reports in English significant contributions to pure and applied research in the earth sciences which appear in foreign-language journals, especially those published in the U.S.S.R. Regular features include English reviews of published monographs, announcement of unpublished translations available, and prepublication notices of Russian monographs.

Thomas F. Rafter, Jr., Managing Editor

Wendy Cookson, Associate Editor

V.P. Sokoloff, Translations Review

Editor

Nellie F. Brown, Compositor Supervisor

Levyant, V.B. EFFECTIVENESS OF NEAR-SURFACE EXPLOSIONS IN SEISMIC PROSPECTING; CASE STUDY IN VOLGOGRAD PROVINCE	1
Kotov, P.T. SPECIFIC RESISTIVITY OF ROCKS CONTAINING EMULSIONS	17
Basin, Ya. N., L.B. Berman and V.S. Neyman POSSIBILITY OF IDENTIFYING CAVERNOUS AND JOINTED LIMESTONES BY APPLIED GEOPHYS- ICAL METHODS	28
Mindeli, P.Sh., Yu. V. Neprochnov and Ye. I. Pataraya GRANITE-FREE AREA IN BLACK SEA TROUGH, FROM SEISMIC DATA	36
PALEONTOLOGICHESKIY ZHURNAL (PALEONTOLOGICAL JOURNAL) IN COVER-TO-COVER TRANS- LATION, 1964, NO. 2.	44
Eight selected papers -	
Ruzhentsev, V. Ye. PRINCIPAL AMMONOID ASSEMBLAGES OF CARBONIFEROUS PERIOD.	48
Tikhvinskiy, I.N. SCHWAGERINID ECOLOGY.	60
Shishova, N.A. SYSTEMATIC POSITION AND SCOPE OF THE FAMILY HYPHASMOPORIDAE	64
Yakovlev, V.N. SYSTEMATICS OF THE FAMILY LYCOPTERIDAE	71
Kravtsov, A.V. COMMENSALISM IN COLONIAL TETRACORALS	81
Pavlova, Ye. Ye. REVISION OF THE GENUS NEOPHRICODOTHYRIS (ORDER SPIRIFERIDA)	84
Chuvashov, B.I. KATAVELLA, A NEW GENUS OF FOSSIL RED ALGAE	89
Vakhrameyev, V.A. SPECIAL SESSION OF PALEOBOTANICAL SOCIETY OF INDIA AND BIRBAL SAHNI PALEO- BOTANICAL INSTITUTE.	94
Kityk, V.I. TYPES OF TROUGHS BETWEEN SALT DOME STRUCTURES OF DNEPR-DONETS DEPRESSION	98

REVIEW SECTION

Tretyak, A.N. PALEOMAGNETISM, THE MIDDLE AND UPPER PALEOZOIC OF THE UKRAINE, a review by Mark E. Burgunker	104
Gavrish, V.K. METHODOLOGY IN PALEOSTRUCTURAL ANALYSIS - THE CASE OF THE DNEPR-DONETS TROUGH, a review by Mark E. Burgunker	104
Sokolovskii, I.L., and N.G. Volkov METHODS IN THE STUDY OF POST-ALPIDE TECTONIC STAGES (PAPERS ON SOUTHWESTERN PORTIONS OF RUSSIAN PLATFORM), a review by Mark E. Burgunker	104
Kulakov, N.V. PALEOHYDROLOGICAL CONDITIONS OF EVOLUTION OF OIL AND GAS POOLS (THE CASE STUDY SARATOV - VOLGOGRAD SECTION OF THE VOLGA VALLEY), a review by Mark E. Burgunker	105
Ludkin, O.B., L.V. Kozyryeva and N.G. Pomerantseva MINERALOGY OF THE Khibina Tundra Deposits, a review by Mark E. Burgunker	106
Stashchuk, M.F., V.A. Suprycheyev and M.S. Khitraya MINERALOGY, GEOCHEMISTRY AND DEPOSITION ENVIRONMENT OF BOTTOM SEDIMENTS, LAKE SIVASH, a review by Mark E. Burgunker	106
Ovchinnikova, T.N., Editor LIFE OF EARTH, a review by V.P. Sokoloff	106
Koptev-Dvornikov, V.S., Editor GEOLOGY AND GEOCHEMISTRY OF GRANITE ROCKS, a review by V.P. Sokoloff	107
Masaytis, V.L., Editor GEOLOGY OF KOREA, a review by Boris B. Brajnikov	108
GEOLOGY AND ORE GENESIS IN VOLCANICS OF SIBERIA, a review by Mark E. Burgunker	109
Balabushevich, I.A. THE PRIPYAT' GRABEN: ESSAY ON PALEOTECTONIC ANALYSIS OF A CONTEMPORARY STRUC- TURE, a review by Boris V. Brajnikov	111
PROBLEMS IN THE METALLOGENY OF THE UKRAINE, a review by Boris V. Brajnikov	112

JANUARY (Concluded)

Page

Bobrievich, A. P., I. P. Idupin, N. T. Kozlov, L. I. Lebedeva, A. A. Pankratov, G. I. Smirnov, and A. D. Kharkiv	
PETROLOGY AND MINERALOGY OF THE KIMBERLITES OF YAKUTIA, a review by Mark E. Burgunker	114
Oruvzheva, D. S.	
THE "HANGING" RESERVOIRS OF THE APSHERON PENINSULA, a review by Mark E. Burgunker.	114
Dobrynin, V. M.	
DEEP RESERVOIR PHYSICS, a review by Mark E. Burgunker.	115

REFERENCE SECTION

GEOLOGICAL PAPERS IN RECENT EAST EUROPEAN AND MAINLAND CHINA PERIODICALS	116
ANNOUNCEMENTS FROM NOVYYE KNIGI (NEW BOOKS) 1965 (Nos. 16-18) AND OTHER	
PREPUBLICATION LISTS	120

FEBRUARY

Belyayevskiy, N. A.	
PRINCIPAL GEOLOGICAL FEATURES OF KARAKORAM	127
Gottikh, R. P.	
NATURE OF RADIOMETRIC ANOMALIES ABOVE OIL AND GAS DEPOSITS	144
Subbotin, K. D. and L. V. Ganzeyeva	
BERTRANDITE GRANITES AND GREISENS OF KAZAKHSTAN.	154
Kosygin, Yu. A. and A. A. Trofimuk	
TECTONIC AND OIL AND GAS PROSPECTS OF SIBERIAN PLATFORM PROVINCES.	156
Aparin, V. P. and A. Ya. Vlasov	
DEVONIAN-CARBONIFEROUS BOUNDARY, FROM PALEOMAGNETIC DATA.	168
Romanova, M. A.	
MODERN SANDY SEDIMENTS IN CENTRAL KARAKUMS AND THE SEARCH FOR BURIED STRUCTURES	171
Ivanov, S. N.	
CERTAIN ASPECTS OF BASALTOID METALLOGENY OF URALS, translated by V. P. Sokoloff	185
Litvinenko, A. U.	
GEOCHEMISTRY OF KERCH' IRON ORE BASIN.	197
Semikhatov, M. A., V. A. Komar, and S. V. Nuzhnov	
DIFFERENTIATION AND CORRELATION OF THE RIPHEAN ROCKS OF EASTERN SIBERIA, translated by Mark E. Burgunker	213
Sveshnikov, G. B. and I. A. Kedrinskiy	
ELECTROLYTIC SOLUTION OF SULFIDE ORES, translated by Mark E. Burgunker	226
Ivanov, S. N., V. A. Prokin, and G. K. Dolmatov	
NATURE OF ORE-BEARING BRACHYANTICLINAL UPLIFTS IN URAL, translated by V. P. Sokoloff	234

MARCH

Virovlyanskiy, G. M. and Yu. N. Blagodeteleva	
LATE MAGMATIC TECTONICS OF Khibiny APATITE DEPOSITS IN RELATION TO SEARCH PROCEDURE	253
Voronovskiy, S. N.	
NATURE OF ARGON AND HELIUM IN BERYLS	266
Ivanov, O. D.	
STRUCTURAL FEATURES OF MUGODZHAR WEST GREENSTONE BELT AND DISTRIBUTION PATTERN OF COPPER MINERALIZATION	271
Chukhrov, F. V., Shanin, L. L., and L. P. Yermilov	
FEASIBILITY OF ABSOLUTE-AGE DETERMINATION FOR POTASSIUM-CARRYING MANGANESE MINERALS	278
Kruglova, V. G., Chernov, B. S., Yevdokhin, A. G. and Ye. S. Pastukhova	
CHARACTERISTICS OF MOLYBDENUM STOCKWORK DEPOSIT IN EASTERN TRANSBAYKALIA	281
Shestakov, Yu. G.	
GEOCHEMICAL INDEX OF MAGNETITE MINERALIZATION ZONES.	288
Rezanov, I. A. and N. N. Zarudnyy	
STRUCTURE OF EARTH'S CRUST IN NORTHEASTERN U. S. S. R.	290
Bondarenko, V. G.	
CARBONATE DIKES IN LAVA (KARADAG, CRIMEA)	306
Kalugin, A. S.	
QUANTITATIVE BASIS OF GEOLOGICAL AND METALLOGENIC ZONING OF FOLD REGIONS.	309
Belousov, V. V.	
THE CRUST AND UPPER MANTLE OF CONTINENTS	317
Eynor, O. L.	
PROBLEMS OF PALEOBIOGEOGRAPHY AND PALEONTOLOGY IN LITHOLOGICAL PALEOGEOGRAPHICAL ATLAS OF U. S. S. R.	331

MARCH (Concluded)

Chukhrov, F. V.	
PRESENT VIEWS ON COLLOIDS IN ORE FORMATION	336
Lisitsina G. A. and L. V. Khoroshilov	
TIME AND CONDITIONS OF ORIGIN OF KERATOPHYRES AND SPILITES IN ORDOVICIAN DEPOSITS OF NORTH KAZAKHSTAN	346
Markhinin, Ye. K.	
VOLCANIC PRODUCTS IN BUILDING OF EARTH'S CRUST.....	356

REVIEW SECTION

Judoley, C. M.	
ON THE REVIEW OF THE GEOLOGICAL MAP OF CUBA	365
Shatalov, Ye. T., A. V. Orlova, K. V. Yablokov, A. I. Dyukov and I. N. Tomson	
BASIC PRINCIPLES OF PREPARING METALLOGENIC AND PROGNOSTIC MAPS OF ORE-BEARING REGIONS, FEATURES MAPPED, AND LEGEND, a review by Eugene A. Alexandrov	367
Titkov, N. I., V. P. Petrov and A. Ya. Neretina	
FORMATION OF MINERALS AND STRUCTURES DURING ELECTROCHEMICAL STABILIZATION OF UNSTABLE ROCKS, a review by V. P. Sokoloff	369
MATERIALS FOR GENETIC AND EXPERIMENTAL MINERALOGY, a review by V. P. Sokoloff.....	369

REFERENCE SECTION

PREPUBLICATION NOTICE OF NEW BOOKS (NOVYYE KNIGI) 1965 (Nos. 19-24)	372
---	-----

APRIL

Bezruk, I. A., Berdichevskiy, M. N., Klyuchkin, V. N. and A. V. Kulikov	
APPLICATION OF THEORY OF RANDOM FUNCTIONS TO ANALYSIS OF EARTH'S MAGNETOTELLURIC FIELD	379
Chumakov, N. M.	
PRECAMBRIAN TILLITE ROCKS OF U. S. S. R.	391
Gurvich, S. I., Zubkov, L. B. and L. S. Galetskiy	
GEOLOGIC AND MINERALOGIC FEATURES OF BERYLLIUM MINERALIZATION ASSOCIATED WITH GENTHELVITE	404
Kulinkovich, A. Ye., Sokhranov, N. N. and I. M. Churina	
UTILIZATION OF DIGITAL COMPUTERS TO DISTINGUISH BOUNDARIES OF BEDS AND IDENTIFY SANDSTONES FROM ELECTRIC LOG DATA	416
Tugarinov, A. I., Stupnikova, N. I., and S. I. Zykov	
GEOCHRONOLOGY OF THE SOUTHERN SIBERIAN PLATFORM	421
Contescu, Lorin R.	
ATTEMPT AT CLASSIFICATION OF FLYSCH AND MOLASSE, translated by Robert E. King	435
Markovskiy, N. I.	
ROLE OF PALEO-RIVERS IN DEPOSITION OF OIL-AND GAS-BEARING INTERVALS, ILLUSTRATED BY LOWER CARBONIFEROUS OF RUSSIAN PLATFORM	446
Bakun, N. N., Volodin, R. N., and F. P. Krendel'ev	
GENESIS OF UDOKANSK COPPERIFEROUS SANDSTONE DEPOSIT (CHITINSK OBLAST)	455
Donchenko, K. B.	
GEOLOGICAL STRUCTURE AND GENETIC PROPERTIES OF POTASSIUM DEPOSITS OF VOROTYSHCHENSK SERIES, PREDKARPAT'YE.....	467
Kaufman, A. A.	
EFFECT OF MAGNETIC PERMEABILITY IN INDUCTION LOGGING.....	480

REVIEW SECTION

TYPES OF KARST IN U. S. S. R., a review by Mark E. Burgunker	489
Nikolayev, V. A., Editor	
QUATERNARY GEOLOGY AND GEOMORPHOLOGY OF NORTHEASTERN SIBERIA, a review by Mark E. Burgunker.....	489
Perbitskaya, Z. I., O. A. Dzents-Litovskaya and B. M. Schtempel	
CRETACEOUS VEGETATION AND COALS OF MARITIME COAL BASIN, a review by Mark E. Burgunker	490
Selivanov, Ye. I.	
GEOMORPHOLOGY OF DZHUNGARIYA, a review by Mark E. Burgunker	491
Mokrinskii, V. V., I. E. Valts, V. M. Vlasov, T. A. Ishina and Z. P. Prosviryakova	
CONTROLS OF DEVELOPMENT AND DISTRIBUTION OF LOWER MESOZOIC COAL DEPOSITS IN CRIMEA, CAUCASUS AND CASPIAN COASTS, a review by Mark E. Burgunker	491
Svarichevskaya, Z. A.	
GEOMORPHOLOGY OF KAZAKHSTAN AND CENTRAL ASIA, a review by Mark E. Burgunker	492
Ravich, M. G., L. V. Klinov and D. S. Solovyev	
THE PRECAMBRIAN OF EASTERN ANTARCTICA, a review by Mark E. Burgunker	492

APRIL (Concluded)

Page

Judoley, Constantino M., Vladimir I. Krasnov, Ivan P. Novojetsky, and Eugenia Skriabina MAP OF MINERAL DEPOSITS OF CUBA, a review by A. A. Meyerhoff	493
---	-----

REFERENCE SECTION

PREPUBLICATION NOTICE OF NEW BOOKS (NOVYYE KNIGI) 1965 (Nos. 25-34)	494
---	-----

MAY

Marfunin, A. S. PROMISING NEW FIELD OF STUDY COMMON TO SOLID STATE PHYSICS AND THE SCIENCES OF NATURAL SUBSTANCE	505
Faytel'son, A. Sh. GENETIC CLASSIFICATION OF TECTONIC PLATFORM STRUCTURES AND PALEOTECTONIC RECONSTRUCTIONS, FROM GEOPHYSICAL DATA ON BASEMENT BLOCK STRUCTURE	515
Rekharskiy, V. I. DISTRIBUTION OF MOLYBDENUM, URANIUM, COPPER AND OTHER ELEMENTS IN NORTH- WESTERN SPURS OF NORTH TIEN SHAN	530
Strakov, N. M. and L. Ye. Shterenberg PROBLEM OF GENETIC TYPE OF CHIATURA DEPOSIT	549
Dzotsenidze, G. S. GENESIS OF CHIATURA MANGANESE DEPOSIT	559
Sazonov, V. D. STRENGTHENING OF BOND BETWEEN LEAD AND ZINC, WITH DEPTH, IN KANSAY ORE BODIES	570
Golovenok, V. K. and G. Yu. Pushkin OCCURRENCE OF PRECAMBRIAN BAUXITES	573
Khetchikov, L. N. and P. S. Garbuzov TEMPERATURE ZONATION OF LEAD-ZINC MINERALIZATION IN TETYUKHE ORE FIELD	575
Kazitsyn, Yu. V. METALLOGENIC SPECIALIZATION HYPOTHESIS AND SOME OF ITS MINERALOGICAL AND GEO- CHEMICAL ASPECTS	581
Belyayevskiy, N. A. and A. A. Borisov ABYSSAL STRUCTURE OF NORTHWESTERN PART OF PACIFIC OCEAN MOBILE BELT	591
Morozenko, N. K. URANIUM METALLOGENIC EPOCHS	608

REVIEW SECTION

Bardet, M. DEPOSITS OF DIAMOND IN U.S.S.R., a review by V. P. Sokoloff	621
Gadzhiev, R. M. DEEP GEOLOGIC STRUCTURE OF AZERBAIJAN, a review by B. V. Brajnikov	621
IRTYSH-KARAGANDA CANAL, a review by B. V. Brajnikov	622

REFERENCE SECTION

PREPUBLICATION NOTICES OF NEW BOOKS (NOVYYE KNIGI), 1966 (Nos. 1-11)	624
--	-----

JUNE

Pavlov, N. V. and I. I. Chuprykina CONCLUSIONS ON FORMATION OF CHROMITE DEPOSITS WITHIN KEMPIRSAY ULTRABASIC MASSIF, translated by V. P. Sokoloff	631
Zimin, S. S. SOME SPECIAL FEATURES OF COMPOSITION AND GENESIS OF CHROMITES	643
Shubnikov, A. V. PATTERN OF MUTUAL RELATION BETWEEN CRYSTALLOGRAPHIC LATTICE POINT GROUPS AND CRYSTAL SYSTEMS	652
Gorbik, G. K., S. M. Zundelovich and A. Ye. Kulinkovich MACHINE INTERPRETATION OF CORING BY LATERAL SOUNDING	656
Dvali, M. F. and M. D. Belonin PROSPECTS FOR DEEP AND ULTRADEEP OIL AND GAS DEPOSITS IN U.S.S.R.	665
Tsvetkov, A. I., V. S. Myasnikov, N. I. Shchepochkina and N. A. Matveyeva TABULAR FORMATIONS IN TITANOMAGNETITE	676
Leonova, V. A. GEOCHEMISTRY AND ORIGIN OF CHUPA PEGMATITE RANGE (NORTH KARELIA)	689
Shestov, I. N. and A. A. Oborin PROSPECTS OF FINDING NATIVE SULFUR IN PERM' PROVINCE	702
Rundkvist, D. V. TIME FACTOR IN FORMATION OF METASOMATIC ROCKS, VEINS AND VEINLETS CONSTITUT- ING GREISEN ORE DEPOSITS	705

JUNE (Concluded)

Page

Krendele, F.P.	
PROSPECTS OF EXPLORATION FOR ANCIENT METALLIFEROUS CONGLOMERATES IN SIBERIA	716
Rusinov, V.L.	
FINDINGS OF PREHNITE AND CLASTIC NATURE OF EPIDOTE IN REGIONS OF HYDROTHERMAL METAMORPHISM TODAY	731
Stemprok, M. and M. Vanecek	
PRESENT STATUS OF PROBLEMS OF ENDOGENOUS MINERALIZATION IN CZECHOSLOVAKIAN SOCIALIST REPUBLIC	739

REVIEW SECTION

Rikhter, V.G.	
METHODS OF STUDY OF RECENT TECTONICS OF CONTINENTAL SHELF, a review by Mark E. Burgunker	746
EVIDENCE OF CONNECTION BETWEEN ORES AND MAGMATISM AS APPLIED IN STUDY OF ORE REGIONS, a review by V.P. Sokoloff	746
Schneider, Arthur Wentz	
CONTRIBUTION TO PETROLOGY OF BASALTIC FLOWS OF PARANA BASIN, a review by Richard L. Bowen	748
Rengarten, N.V. and N.A. Konstantinova	
ROLE OF FACIES-MINERALOGICAL ANALYSIS IN RECONSTRUCTION OF ANTHROPOGENE CLIMATE (WITH EXAMPLE OF SOUTHERN MOLDAVIA AND SOUTHWESTERN UKRAINE), a review by V.P. Sokoloff	748
Uspenskii, V.A., O.A. Radchenko, Ye. A. Glebovskaya, A.I. Gorskaya, A.P. Shishkova, G.M. Pararova, L.F. Kolotova and T.N. Meltsanskaya	
PRINCIPLES OF GENETIC CLASSIFICATION OF HYDROCARBONS, a review by Mark E. Burgunker	749
Linetskiy, V.F.	
MIGRATION AND ACCUMULATION OF OIL, a review by V.P. Sokoloff	750
Nalivkin, D.V., General Editor	
STRATIGRAPHY OF U.S.S.R., IN FOURTEEN VOLUMES: SILURIAN SYSTEM, a review by Mark E. Burgunker	750
Manskaya, S.M., and T.V. Drozdova	
GEOCHEMISTRY OF ORGANIC SUBSTANCE, a review by V.P. Sokoloff	753

REFERENCE SECTION

PREPUBLICATION NOTICES OF NEW BOOKS (NOVYYE KNIGI) 1966 (Nos. 12-15)	755
--	-----

JULY

Korenbaum, S.A.	
FORMATION CONDITIONS OF TALC AND SOAPSTONE DEPOSITS	757
Karpinskiy, T.B., Shanin, L.L., and I.B. Borisevich	
ARTIFICIAL INJECTION OF ARGON IN MICA, OLIVINE AND PYROXENE	768
Barabanov, V.F.	
NATURE OF GREISENIZATION PROCESS IN WALLROCK ZONE AND FORMATION OF METASOMATIC CONCRETIONARY VEINS OF GREISEN TYPE	770
Chekunov, A.V., Garkalenko, I.A., and G. Ye. Kharchenko	
DEEP RIFTS IN NORTHERN BLACK SEA REGION AND THEIR LATERAL MOVEMENT	783
PALEONTOLOGICHESKIY ZHURNAL (PALEONTOLOGICAL JOURNAL) IN COVER-TO-COVER TRANSLATION, 1965, NO. 3	791
Nine selected papers -	
Myagkova, Ye. I.	
SOANITES - A NEW GROUP OF ORGANISMS	795
Skvortsov, V.P.	
NEW VISEAN FORAMINIFERS OF NORTH FERGANA	803
Kanygin, A.V.	
NEW MID-ORDOVICIAN OSTRACODS OF THE TETRADELLIDAE	811
Dobruskina, N.A.	
REVISION OF JURASSIC FLORA DESCRIBED BY O. HEER FROM THE AMUR RIVER	823
Kolakovskiy, A.A.	
USHIA - A NEW GENUS FROM KAMYSHIN PALEOCENE FLORA	831
Yurina, A.L.	
A NEW FERN FROM MIDDLE DEVONIAN OF KAZAKHSTAN	838
Afitskiy, A.L.	
FIRST DISCOVERY OF RHABDOCERAS IN NORTHEASTERN U.S.S.R.	842

JULY (Concluded)

Page

Kushlin, B. K.	
STRAIGHT AMMONOIDS FROM PAMIR TRIASSIC	844
Volgin, G. I.	
OCCURRENCE OF GENUS <u>SEPTOSYRINGOTHYRIS</u> IN THE UPPER CARBONIFEROUS OF THE EAST PAMIRS	848
Bogdanov, A. A.	
GENERAL PROBLEMS IN TECTONICS OF OLD PLATFORMS, EXEMPLIFIED BY EAST EUROPEAN PLATFORM	851
Volodin, V. F.	
PRECAMBRIAN GOLD-BEARING CONGLOMERATES OF U.S.S.R.	874
REPLY TO LETTER FROM V. F. DERPGOL'TS	881

AUGUST

Lyuttsau, S. V.	
ATTENTION TO TOPOGRAPHY OF TERRACES IN GEOLOGICAL MAPPING.....	883
Bekker, Yu. R.	
PRINCIPAL FORMATION TYPES IN URAL FOLDED PROVINCE.....	885
Simonenko, T. N., and M. M. Tolstikhina	
SOME PATTERNS OF ABYSSAL STRUCTURE IN THE U.S.S.R.	896
Brovkov, G. N., Grayzer, M. I., and A. Ye. Mogilev	
NEW DATA ON LOWER CARBONIFEROUS PALEOGEOGRAPHY OF ALTAY SAYAN PROVINCE....	908
Boytsov, V. Ye., and T. M. Kaykova	
URANIUM AND ARSENIC IN HYDROTHERMAL PROCESS	912
Demenitskaya, R. M. and S. A. Ushakov	
RELIEF, ISOSTASY AND CERTAIN FEATURES OF CRUSTAL AND UPPER MANTLE STRUCTURE IN ANTARCTICA	918
Stavtsev, A. L.	
NEW PRINCIPLES FOR DEVISING TECTONIC TERMINOLOGY.....	930
Balavadze, B. K., and G. Sh. Shengelaya	
GRAVIMETRIC STUDY OF EARTH'S CRUST STRUCTURE ALONG LINE AKHALKALAKI- MIZUR-STEPNOY (CAUCASUS)	940
PALEONTOLOGICHESKIY ZHURNAL (PALEONTOLOGICAL JOURNAL) IN COVER-TO-COVER TRANSLATION, 1965, NO. 4.....	945
Six selected papers -	

Martinson, G. G.	
CRETACEOUS LAMELLIBRANCHS OF FAMILY TRIGONOIDIDAE AND THEIR CLASSIFICA- TION	949
Grechishnikova, I. A.	
<u>ULBOSPIRIFER</u> GEN. NOV. FROM TOURNAISIAN OF RUDNYY ALTAY	958
Meyen, S. V.	
CLASSIFICATION OF DISPERSED CUTICLES	965
Kudrin, L. N., and K. A. Tatarinov	
MIOCENE DOLPHINS OF WEST UKRAINE	976
Vishnyakova, V. N.	
NEW SPECIES OF GENUS <u>KUNGUROBLATTINA</u> FROM LOWER PERMIAN OF CISURALIA ...	982
Bogoslovskiy, B. I.	
<u>CARINOCLYMENIA</u> , NEW GENUS OF FAMILY RECTOCLYMENIIDAE	991

REVIEW SECTION

Boltovskoy, Esteban	
RECENT FORAMINIFERA, a review by Frances Charlton de Rivero	995
Belousov, V. V., Chief Editor	
GEOTECTONICS, 1966, no. 1 (January-February), a review by IGR Staff	996
Borzunov, V. M.	
GEOLOGICAL-INDUSTRIAL APPRAISAL OF DEPOSITS OF NONMETALLIC MINERAL RAW MA- TERIALS, a review by IGR Staff	997
Razumikhin, N. V.	
EXPERIMENTAL STUDIES IN SMOOTH ABRASION OF ROCK FRAGMENTS BY ROLLING, a review by IGR Staff	998
Gringerg, I. V., and M. E. Petrikovskaya	
RESEARCH ON ISOTOPIC COMPOSITION OF ORGANIC SUBSTANCE IN MINERAL FUELS, a review by IGR Staff	999
Badalov, S. T.	
MINERALOGY AND GEOCHEMISTRY OF ENDOGENIC DEPOSITS IN ALMALYK MINING DISTRICT, a review by IGR Staff	1000

AUGUST (Concluded)

Page

Baranova, Yu. P., and S. F. Biske	
NORTHEAST OF U.S.S.R. - HISTORY OF DEVELOPMENT OF RELIEF OF SIBERIA AND FAR EAST, a review by IGR Staff	1001
METHODS OF GEOMORPHOLOGICAL MAPPING, a review by IGR Staff	1001
Strelkov, S. A.	
NORTH OF SIBERIA - HISTORY OF DEVELOPMENT OF RELIEF OF SIBERIA AND FAR EAST, a review by IGR Staff	1003
Frolov, V. T.	
EXPERIMENT AND METHODS IN COMPREHENSIVE STRATIGRAPHIC-LITHOLOGICAL AND PALEOGEOGRAPHICAL RESEARCH, a review by IGR Staff	1004
Parkhomenko, Z. I.	
ELECTRICAL PROPERTIES OF ROCKS, a review by IGR Staff	1005

REFERENCE SECTION

PREPUBLICATION NOTICE OF NEW BOOKS (NOVYYE KNIGI) 1966 (Nos. 17-23),	1006
--	------

SEPTEMBER

Gol'braykh, I. G., Zabaluyev, V. V., and G. R. Mirkin	
TECTONIC ANALYSIS OF MEGAJOINTING: A PROMISING METHOD OF INVESTIGATING COVERED TERRITORIES.	1009
Yakovlev, G. F., Zarayskiy, G. P., and V. I. Starostin	
SUBVOLCANIC BODIES OF ACID COMPOSITION AND COPPER PYRITE MINERALIZATION OF BLYAVA DISTRICT (SOUTH URAL).	1017
Boytsova, I. N., and Yu. G. Staritskiy	
BASEMENT TOPOGRAPHY OF SIBERIAN PLATFORM	1029
Temnikov, Yu. I.	
STRUCTURAL GEOLOGY OF RARE-METAL GRANITOID DEPOSITS.	1032
Borovitskiy V. P., and V. N. Shemyakhin	
TRIAL APPLICATION OF CARBONATE SURVEY IN PROSPECTING FOR GOLD IN ALDAN AREA... ..	1037
Gerling, E. K., Pushkarev, Yu. D., and N. V. Kotov	
BEHAVIOR OF CERTAIN MINERALS IN HEATING UNDER HIGHER ARGON PRESSURES	1039
PALEONTOLOGICHESKIY ZHURNAL 1966, NO. 1	1047

Eleven selected papers -

Yaroshevich, V. M.	
SCOPE OF GENUS <u>ARCHAEOCYATHUS</u> AND OF FAMILY ARCHAEOCYATHIDAE	1050
Amitrov, O. V.	
RANGE OF CERTAIN SPECIES OF AQUILOFUSUS IN TRANSCASPIAN PALEOGENE	1058
Ruzhentsev, V. Ye.	
VISEAN AMMONOIDS FROM SOUTH URALS.	1067
Gustomesov, V. A.	
NEW BELEMNITES FROM TOARCICAN AND AALENICAN OF SIBERIA	1078
Gramm, M. N.	
NEW CYTHERIDS (OSTRACODA) FROM CONTINENTAL MESOZOIC OF ASIA	1089
Gnilovskaya, M. B.	
ALGAE OF GENUS <u>DIMORPHOSIPHON</u>	1102
Dorofeyev, P. I.	
FLORA OF HIPPARION EPOCH	1109
Shkrebt, G. P.	
SEPARATION OF PLANT REMAINS FROM OILS BY FILTRATION.	1118
Aliyulla, Kh.	
NEW GENUS <u>EDHEMIA</u> (FORAMINIFERA) FROM THE CENOMANIAN OF THE LITTLE CAUCASUS (AZERBAIDZHAN)	1123
Suleymanov, I. S.	
NEW LATE EOCENE SPECIES OF BIGLOBIGERINELLA	1126
Yerbayeva, M. A. and A. G. Pokatilov	
NEW SPECIES OF EOPLEISTOCENE GROUND SQUIRREL FROM MOUNT TOLOGOY (WEST TRANSBAIKALIA)	1129
UDC ADDENDA	1132
RUSSIAN BOOKS TO BE REVIEWED	1134

OCTOBER

(PART I)

Dudarev, A. N.	
SORPTION CAPACITY OF ROCKS IN ORE-MAKING	1135

OCTOBER
(PART 1) (Concluded)

Page

Pospelov, G.L., and P.I. Kaushanskaya	
ROCK DEFORMATIONS CAUSED BY CRYSTAL GROWTH IN COUNTER-DIFFUSION OF REAGENTS	1141
Shvartsev, S.L.	
HYDROCHEMICAL METHOD OF PROSPECTING IN NORTHERN SWAMP AREAS	1151
Alekseyev, F.A., and R.P. Gottikh	
MECHANISM OF ORIGIN OF RADIOMETRIC ANOMALIES OVER OIL DEPOSITS	1157
Strakhov, N.M.	
TYPES OF MANGANESE ACCUMULATION IN PRESENT-DAY BASINS: THEIR SIGNIFICANCE IN UNDERSTANDING OF MANGANESE MINERALIZATION	1172
Bochkovoy, Yu. D.	
AGE OF METAMORPHIC ROCK MASSES IN LABA BASIN, NORTH CAUCASUS	1197
Kazarinov, V.P., Kontorovich, A.E., and L.M. Gerasimova	
MECHANICAL AND CHEMICAL DENUDATION OF DRAINAGE AREAS	1199
Dudarev, A.N., and V.I. Sotnikov	
ENERGY (HEAT) ANALYSIS OF GREISENIZATION PROCESS	1208
Tveritinov, Yu. I.	
RELATION OF SKARN TO MINERALIZATION IN GOLD DEPOSITS OF NORTHEASTERN ALTAY REGION	1215
Bogdanov, Yu. V., Gur'yanova, V.N., and M. Mirayes	
OUTLINE OF METALLOGENY OF COPPER DEPOSITS OF CUBA	1218
Belyy, V.F., Yefimova, A.F., and K.V. Paraketsov	
LOWER CRETACEOUS OF OKHOTSK-CHUKOTKA VOLCANIC BELT	1226
Komov, I.L.	
GOLD PROSPECTING METHODS IN YENISEY RANGE	1237
Yakovlev, B.A.	
DISTRIBUTION PATTERNS OF LEAD-ZINC MINERALIZATION IN GORNO-ALTAY	1241

REFERENCE SECTION

PREPUBLICATION NOTICES OF NEW BOOKS (NOVYYE KNIGI) 1966 (Nos. 24-27)	1259
RUSSIAN BOOKS TO BE REVIEWED	1260

OCTOBER
(PART 2)

STRATIGRAPHIC CLASSIFICATION, TERMINOLOGY AND NOMENCLATURE, as approved by Interdepartmental Stratigraphic Committee, U.S.S.R.: a complete translation by IGR Staff	3
--	---

REVIEW SECTION

GEOLOGICAL STRUCTURE OF NORTHEASTERN KOREA AND OF THE SOUTH OF PRIMOR'YE, a review by IGR Staff	37
GEOLOGY OF THE RUSSIAN PLATFORM, CASPIAN AREA, ORENBURG TERRITORY, a review by IGR Staff	37
Chumakov, I.S.	
CENOZOIC OF RUDNYY ALTAY, a review by IGR Staff	38
Sinitsin, V.M.	
ANCIENT CLIMATES OF EURASIA. PART I. PALEOGENE AND NEOGENE, IGR Staff review ...	38
MATERIALS OF SIXTH MEETING OF CARPATHO-BALKAN ASSOCIATION (REPORTS OF SOVIET GEOLOGISTS), a review by Boris V. Brajnikov	39
GEOLOGY OF SIBERIAN PLATFORM, a review by IGR Staff	41
ANTHROPOGENE PERIOD IN ARCTIC AND SUBARCTIC, a review by IGR Staff	42
GEOLOGICAL STRUCTURE AND METALLOGENY OF SOUTHEASTERN GEORGIA, a review by IGR Staff	43
Losev, K.S.	
AVALANCHES IN U.S.S.R., a review by IGR Staff	43
Nabiyev, M.N. and R.G. Osichkina	
POTASSIUM SALTS OF TYUBEGATAN, a review by IGR Staff	43
GEOLOGY OF COAL MEASURES AND CARBONIFEROUS STRATIGRAPHY OF U.S.S.R., a review by IGR Staff	44
HISTORY OF GEOLOGICAL DEVELOPMENT OF RUSSIAN PLATFORM AND ITS FRAME, a review by IGR Staff	44
MINERAL RAW MATERIALS, a review by IGR Staff	45
HYDROCARBON POTENTIAL OF MESOZOIC SEDIMENTS IN WEST-SIBERIAN LOWLAND, a review by IGR Staff	46
GEOCHRONOLOGY OF PRECAMBRIAN IN UKRAINE, a review by IGR Staff	46
QUATERNARY PERIOD IN SIBERIA, a review by Boris V. Brajnikov	46
GEOLOGY AND GEOCHEMISTRY OF SOLID MINERAL FUELS, a review by IGR Staff	48
PROBLEMS OF GEOLOGY AND GENESIS OF MINERAL DEPOSITS, a review by Eugene A. Alexandrov	48

OCTOBER (PART 2) (Concluded)	Page
FORMATION OF SUBSURFACE WATERS OF KAZAKHSTAN, a review by IGR Staff	49
HYDROLOGY OF NEVA RIVER ESTUARY, a review by IGR Staff	50
PROBLEMS IN METHODS OF ISOTOPE GEOLOGY, a review by IGR Staff	50
MINERALS MANUAL PART 2. Prostyye okisly [SIMPLE OXIDES], a review by IGR Staff	51
Vasil'kova, N.N. and S.G. Solomkina TYPOMORPHIC DISTINCTIONS OF FLUORITE AND QUARTZ (ON BASIS OF THEIR PHYSICAL AND PHYSICO-CHEMICAL PROPERTIES), a review by IGR Staff	51
Protod'yakonov, M.M. PROPERTIES OF ROCK-FORMING MINERALS AND THEIR ELECTRONIC STRUCTURE, a review by IGR Staff	52
Kepezhinskas, K.B. STATISTICAL ANALYSIS OF CHLORITES AND THEIR PARAGENETIC TYPES, IGR Staff review ...	52
PROGRESS OF UNDERSEAS INVESTIGATIONS, a review by IGR Staff	53
ALLUVIAL DRIFT AND ORIGIN OF HEAVY MINERAL PLACERS IN COASTAL-MARINE ZONE, a review by IGR Staff	53
Maksimov, M.I. GEOLOGICAL PRINCIPLES OF EXPLOITATION OF OIL DEPOSITS, a review by IGR Staff	53
Abdrakhmanov, K.A. PETROLOGY AND METALLOGENY OF ALKALIC ROCKS IN THE TALASSIAN ALTAU, a review by IGR Staff	55
Rozanov, L.N., R.B. Seyful'-Mulyukov, L.E. Levin and G.B. Sal'man TECTONICS AND HYDROCARBON POTENTIAL OF EASTERN RUSSIAN PLATFORM, IGR Staff review	55
GEOCHEMISTRY AND PETROLOGY OF MAGMATIC AND METASOMATIC FORMATIONS, a review by IGR Staff	56
Valyashko, M.G., I.K. Zherebtsova and L.Z. Sadykov GEOCHEMICAL METHODS OF PROSPECTING FOR POTASSIUM SALTS, IGR Staff review	56
Letnikov, F.A. ISOBAR POTENTIALS OF MINERAL FORMATION (CHEMICAL AFFINITY) AND THEIR USE IN GEOCHEMISTRY, a review by Boris V. Brajnikov	56
Parel'man, A.I. GEOCHEMISTRY OF EPIGENETIC PROCESSES, IGR Staff review	57
GEOPHYSICAL EQUIPMENT, COLLECTED PAPERS No. 23, a review by A. J. Hermont	59
PROBLEMS IN PHYSICS OF EARTH, Geofizicheskiy sbornik [COLLECTED PAPERS IN GEOPHYSICS], a review by IGR Staff	60
DYNAMICS OF THE EARTH'S CRUST, a review by IGR Staff	61
Mikhaylova, N.P. and A.M. Glevasskaya DEGREE OF MAGNETISM IN BASIC AND ULTRABASIC ROCKS OF UKRAINIAN SHIELD AND ITS UTILIZATION IN GEOLOGY, a review by IGR Staff	61
GEOPHYSICISTS' MANUAL, a review by IGR Staff	62
NOVEMBER	
Editorial	ii
Gurari, F.G. and L.L. Khal'fin REFORM ESSENTIAL IN RULES OF STRATIGRAPHIC CLASSIFICATION, IGR Staff translation ...	1261
Maslov, V.P. BIOHERMAL AND CONCRETIONARY LIMESTONES AND THEIR SIGNIFICANCE IN CLASSIFICA- TION OF CARBONATE ROCKS	1270
Lomize, M.G. PRODUCTS OF SUBMARINE SLIDES AND COLLAPSE IN VOLCANIC-SEDIMENTARY GOYTKH SERIES (NORTHWESTERN CAUCASUS)	1275
Voynovskiy-Krieger, K.G. BIOMETRY IN THE STUDY OF RUGOSA	1286
Dolgov, Yu. A. ADIABATIC MOBILIZATION OF ORE-FORMING SOLUTIONS	1294
Bogdanov, Yu. V., G.G. Kochin, E.I. Kutyrev, L.V. Travin, and V.P. Feoktistov GEOLOGY, FORMATION CONDITIONS AND DISTRIBUTION OF CUPRIFEROUS SANDSTONES IN NORTHEASTERN OLEKMA-VITIM MOUNTAIN PROVINCE	1305
Gol'din, S.V. MORPHOLOGICAL CLASSIFICATION OF IRREGULAR GEOLOGIC BODIES	1316
Pecherskiy, D.M. REMANENT MAGNETISM ANISOTROPY AND ROCK FORMATION	1320
Sher, S.D. QUANTITATIVE ESTIMATE OF GOLD CONTENT IN GEOTECTONIC PROVINCES	1329
OIL-GAS DISCOVERIES IN SIBERIA, news item	1334
Dobretsov, N.L., V.V. Reverdatto, V.S. Sobolev, N.V. Sobolev, Ye. N. Ushakova, and V.V. Khlestov DISTRIBUTION OF REGIONAL METAMORPHISM FACIES IN U.S.S.R.	1335
Moskaleva, S.V. CHEMISTRY OF METASOMATIC CONVERSIONS IN URALIAN DUNITE-PYROXENITE-GABBRO FORMATION	1347

NOVEMBER (Concluded)

Page

Brovko, G.N., and G.S. Burcharskaya PALEOGEOGRAPHIC CONDITIONS OF DEPOSITION OF SILURIAN FACIES IN TUVA	1362
Silimov, I.N. GEOLOGY OF SOUTHWESTERN MARGIN OF SIBERIAN PLATFORM IN CONNECTION WITH LOWER CAMBRIAN OIL AND GAS PROSPECTS	1372

REVIEW SECTION

Lugov, S.F. GEOLOGICAL CHARACTERISTICS OF TIN-TUNGSTEN MINERALIZATION OF CHUKOTKA AND PROSPECTING PROBLEMS, a review by Boris V. Brajnikov	1378
METHODS FOR CHEMICAL ANALYSIS OF MINERAL RAW MATERIALS IGR Staff review	1379
Shatalov, Ye. T., V.S. Koptev-Dvornikov, M.G. Rub, D.A. Rodionov, F.K. Shipulin, and M.A. Favorskaya CRITERIA FOR RELATIONSHIP OF ORE MINERALIZATION TO MAGMATISM, APPLICABLE TO STUDY OF ORE REGIONS, a review by Boris V. Brajnikov	1380
Savel'yev, B.A., MANUAL FOR STUDY OF PROPERTIES OF ICE, IGR Staff review	1382
Savel'yev, B.A. STRUCTURE, COMPOSITION AND PROPERTIES OF AN ICE SHEET OVER MARINE AND FRESH- WATER BASINS, IGR Staff review	1383

DECEMBER

Ostreshko, A.I. PROGNOSTICATION OF NATIVE SULFUR DEPOSITS IN SEDIMENTARY FORMATION	1387
Maleyev, Ye.F. VOLCANO-PLUTONIC AND ORE-BEARING FORMATIONS OF TRANSCARPATIA	1396
Moiseyenko, F.S. ROCK DENSITY STUDY	1408
Rozinov, M.I. DIFFERENTIATION OF OSINOV INTRUSIVE (WESTERN TRANSBAYKALIA)	1422
Shcherba, B.N. POSSIBLE PRINCIPLE OF ANALYSIS OF METALLOGENY OF REGIONAL MOBILE ZONES	1428
Shteynberg, G.S. MORPHOLOGY OF MOON CRATERS AND CIRQUES, COMPARED TO CERTAIN VOLCANIC FOR- MATIONS OF KAMCHATKA	1440
Gaynanov, A.G. NATURE OF MAGNETIC ANOMALIES IN TRANSITION ZONES OF PACIFIC	1451

REVIEW SECTION

Khitarov, N.I., Executive Editor PROBLEMS OF GEOCHEMISTRY, IGR Staff review	1457
Ginzberg, I.I., Executive Editor MIGRATION OF CHEMICAL ELEMENTS IN WEATHERING PROCESSES: In Publication No. 7, Weathered Crust Series, IGR Staff review	1458
Pavlov, O.V., Vologodskiy, G.P., and F.H. Leshchikov ENGINEERING-GEOLOGICAL CHARACTERISTICS OF ANGARA INDUSTRIAL DISTRICT AND THEIR IMPORTANCE FOR CONSTRUCTIONS, IGR Staff review	1458
Bok, I.I. AGRONOMIC ORES (PRINCIPLES OF THEIR GEOLOGY AND PROSPECTING-APPRAISAL INDICA- TIONS), IGR Staff review	1459
Krasnikov, V.I. PRINCIPLES OF RATIONAL SYSTEM OF METHODS OF PROSPECTING FOR ORE DEPOSITS, IGR Staff review	1460
CONTRIBUTIONS OF THE INTERDEPARTMENTAL CONFERENCE ON "ORES IN VOLCANIC ROCKS," a review by Boris V. Brajnikov	1460
Borodin, L.S., Executive Editor PETROLOGY AND GEOCHEMICAL DISTINCTIONS OF COMPLEX OF ULTRABASITES, ALKALIC ROCKS, AND CARBONATES, IGR Staff review	1463
Kopeliovich, A.V. EPIGENESIS OF ANCIENT BODIES IN SOUTHWESTERN RUSSIAN PLATFORM, IGR Staff review ..	1463
NOTES OF THE G.V. PLEKHANOV MEMORIAL MINING INSTITUTE OF LENINGRAD OF THE ORDERS OF LENIN AND THE RED BANNER OF LABOR, IGR Staff review	1465
Pavlov, A.P. COMPARATIVE STRATIGRAPHY OF THE BOREAL MESOZOIC IN EUROPE, IGR Staff review	1465
Shnyukov, E.F. GENESIS OF CIMMERIAN IRON ORES OF AZOV-BLACK SEA ORE PROVINCE, a review by Eugene A. Alexandrov	1466
Yushko, S.A. METHODS FOR LABORATORY EXAMINATION OF ORES, IGR Staff review	1468

Drushits, V.V., and I.A. Mikhaylova	
BIOSTRATIGRAPHY OF LOWER CRETACEOUS IN NORTHERN CAUCASUS, IGR Staff review	1468
Yanshin, A.L., Executive Editor	
TECTONICS OF SOUTHERN SIBERIAN PLATFORM AND PERSPECTIVE FOR ITS POTASSIUM	
ORE POTENTIAL, IGR Staff review	1469
Dolenko, G.N., Executive Editor	
GEOLOGY AND GEOCHEMISTRY OF OIL AND GAS DEPOSITS, IGR Staff review	1469
Smirnov, V.I., Executive Editor	
GEOLOGY OF PLACERS, IGR Staff review	1470
Smirnov, G.A. and M.L. Klyuzhina, editors	
PALEOGEOGRAPHY OF URAL, IGR Staff review	1471
Khanin, A.A.	
COLLECTORS OF OIL AND GAS, IGR Staff review	1472
Panchenko, D.E.	
GEOLOGICAL STRUCTURE AND PERSPECTIVES FOR HYDROCARBON POTENTIAL IN SOUTH-	
WESTERN UKRAINE AND MOLDAVIA, IGR Staff review	1472
Khain, V.E., Editor	
PROBLEMS OF GEOLOGY AND PALEOGEOGRAPHY OF ANTHROPOGENE,	
IGR Staff review	1472
Vyalov, O.S.	
STRATIGRAPHY OF NEOGENE MOLASSE OF THE FORECARPATHIAN DOWNWARP,	
IGR Staff review	1473
Khomentovskiy, V.V., and L.N. Repina	
LOWER CAMBRIAN OF STRATOTYPICAL PROFILE OF SIBERIA, IGR Staff review	1473
Rikhter, G.D. and A.G. Chikishev	
THE NORTH OF EUROPEAN U.S.S.R., IGR Staff review	1473
Camacho, Horacio H.	
FOSSIL INVERTEBRATES, a review by A.A. Meyerhoff	1474
Konyukhov, I.A., Editor	
LITHOLOGIC-FACIES DISTINCTIONS AND DEGREE OF FISSURING OF MESOZOIC CARBONATE	
ROCKS IN CONNECTION WITH THEIR HYDROCARBON POTENTIAL, IGR Staff review	1475
Krylkov, Yu.V.	
ENGINEERING-GEOLOGICAL IMPORTANCE OF IDENTIFICATION OF PERIGLACIAL AND LOESS	
FORMATION, IGR Staff review	1475
ORE-BEARING VOLCANOGENIC SEDIMENTARY FORMATION IN GEOSYNCLINES,	
IGR Staff review	1475

REFERENCE SECTION

PREPUBLICATION NOTICES OF NEW BOOKS (<u>NOVYYE KNIGI</u>) 1966 (Nos. 28-42)	1477
UNIDEK - UDC INDEX - 1966	1485
ALPHABETICAL SUBJECT INDEX	1501
AUTHOR INDEX	1503
TITLE INDEX OF REVIEWS	1507

A COMPILATION OF ERRATA

Page and month	As published	Correct version
<u>Vol. 7, 1965</u>		
<u>No. 12, DECEMBER</u>		
2102 - Throughout report	Famennian	Fammenian
2214 - Figure 1	Taphrogeanticlines	Geosynclines
2215 - Figure 2	E. Ogg	E. Haug
	L. Cobert [?]	L. Kober
2215 - Figure 3	Geosynclinal system over (SM)	Median massif over (SM)
	(EGS), last left hand col.	(MGS), last left hand col.
<u>Vol. 8, 1966</u>		
<u>No. 1, JANUARY</u>		
i - Line 13	1964, no. 2	1965, no. 2
44 - Title	1964, no. 2	1965, no. 2
ii - Line 31	OF	ON
111 - Title	OF	ON
<u>No. 3, MARCH</u>		
ii - Line 12	PREPUB. NOTICE, etc.	PREPUB. NOTICE (complete) 1965, Nos. 19-24
<u>No. 4, APRIL</u>		
ii - Line 20; 491	Z. P. Prosviryakovs	Z. P. Prosviryakova
ii - Line 20; 493	Vladmir I. Krasnov	Vladimir I. Krasnov
<u>No. 5, MAY</u>		
i - Line 25;	IT	ITS
i - Line 26	Belyayevskiy	N. A. Belyayevskiy
<u>No. 7, JULY</u>		
i - Line 14	Omission	Nine selected papers
<u>No. 8, AUGUST</u>		
i - Line 22	Omission	Six selected papers
<u>No. 9, SEPTEMBER</u>		
i - Line 18	Omission	Eleven selected papers
<u>No. 10, OCTOBER</u>		
<u>PART I</u>		
ii - Line 1	(Nos. 24-27)	1966 (Nos. 24-27)
<u>PART II</u>		
62 - Line 15	GEOPHYSICISTS'S	GEOPHYSICISTS'
<u>No. 11, NOVEMBER</u>		
i - Line 23	OIL-GAS DISCOVERIES IN SIBERIA	OIL-GAS DISCOVERIES IN SIBERIA (NEWS ITEM)

GEOCHEMISTRY INTERNATIONAL

Vol. 2

1965

No. 5



Translated Articles from **ГЕОХИМИЯ** 1965

and other selected geochemical translations

Published by

THE GEOCHEMICAL SOCIETY

with the aid of a grant from the National Science Foundation

CONTENTS OF FORTHCOMING ISSUE

GEOKHIMIYA, NO. 9, 1965

- Shukolyukov, Yu. A. and I. N. Tolstikhin. Krypton Isotopes in Radioactive Minerals
- Cherdyntsev, V. V., I. V. Kazachevskiy, and Ye. A. Kuz'mina. Dating of Pleistocene Carbonate Formations by the Thorium and Uranium Isotopes
- Baranova, N. N. and V. L. Barsukov. Transport of Lead by Hydrothermal Solutions in the Form of Carbonate Complexes
- Artemov, Yu. M. and A. A. Yaroshevskiy. The Isotopic Composition of Strontium as an Indicator of Character and Duration of Magmatic Differentiation
- Balashov, Yu. A. and M. A. Kekeliya. The Effect of Facies Changes on the Distribution of the Rare Earths in the Rocks of the Zekarsk Gabbro-Diorite Intrusive
- Aleksandrov, S. M., M. V. Akhmanova, and A. V. Karyakin. Investigation of the Ludwigite-Vonsenite Group of Borates by Means of Their Infrared Spectra
- Chitayeva, N. A. Distribution of Selenium and Tellurium in the Oxidized Zones of Copper Sulfide Deposits of the Southern Urals
- Lebedev, V. I. Calcium Content and Some Other Compositional Characteristics of the Precambrian Seas

Brief Communications

- Urusov, V. S. Heats of Sublimation and Effective Charges of Atoms in Some Minerals
- Badalov, S. T. The Role of Major Components in the Geochemistry of Minor and Rare Elements of Ore Deposits
- Kovalev, V. A. Geochemical Aspects of Investigation of the Th/U Ratio in Sedimentary Rocks. GEOKHIMIYA, NO. 10, 1965
- Shukolyukov, Yu. A. and I. N. Tolstikhin. Xenon and Argon Isotopes in the Most Ancient Rocks of the Earth
- Zharikov, V. A. Thermodynamic Characteristic of Irreversible Natural Processes
- Ivanov, I. P. A Study of Mineral Formation in Open System $H_2O-Na_2O-SiO_2-Al_2O_3$
- Kraynov, S. R., S. D. Kapranov, and N. G. Petrov. Main Features of the Geochemistry of Tungsten in Subsurface and Surface Waters of the Areas of Tungsten Ore Deposits . .
- Goldberg, I. S. and L. S. Blyayeva. The Nature of Organic Compounds in Iceland Spar Crystals from the Lower Tunguska Ore Deposits

Brief Communications

- Cherdyntsev, V. V., I. V. Kazachevskiy, L. D. Sulerzhitskiy, and Ye. A. Kuz'mina. Plutonium-239 in Nature
- Bershov, L. V. and A. S. Marfunin. Electron Paramagnetic Resonance Cu^{2+} in Danburite . .

SELECTED ARTICLES

- Kostetskaya, Ye. V. and V. I. Mordvinova. The Distribution of Fluorine and Chlorine in Biotites from the Rocks of the Dzhida Complex of Paleozoic Granitoids (Western Transbaykalia)
- Troshin, Yu. P. The Distribution of Trace Elements of Different Valences Among Hydrothermal Minerals as an Index of the Oxidation-Reduction Regime within the System . .

1200 PAGES (IN 6 ISSUES) IN 1964 VOLUME
FOR INFORMATION REGARDING SUBSCRIPTION TO

GEOCHEMISTRY INTERNATIONAL

WRITE TO TRANSLATIONS OFFICE, AMERICAN GEOLOGICAL INSTITUTE,
1444 N ST., NW, WASHINGTON, DC, 20005

